

**What is claimed is:**

1           1.    A method of opening/closing a disk tray in a disk  
2 drive, comprising the steps of:  
3           when a first event occurs, sending a load/unload  
4           command to the disk drive, to which the disk  
5           drive responds with a second or third event; and  
6           resending the load/unload command to the disk drive  
7           when the disk drive responds to the previous  
8           load/unload command with the third event.

1           2.    The method as claimed in claim 1, wherein the  
2 first event is clicking an eject button shown on a screen.

1           3.    The method as claimed in claim 1, wherein the  
2 second event returns a value for the load/unload command  
3 after a certain period of time.

1           4.    The method as claimed in claim 1, wherein the  
2 third event returns a value for the load/unload command  
3 immediately.

1           5.    The method as claimed in claim 1, wherein the  
2 load/unload command is defined by the ATAPI CD-ROM  
3 specification SFF-8020.

1           6.    The method as claimed in claim 1, wherein the unload  
2 command is resent if the disk drive receives the load  
3 command previously and responds with the third event.

1        7. The method as claimed in claim 1, wherein the load  
2        command is resent if the disk drive receives the unload  
3        command previously and responds with the third event.

1        8.    A method of opening/closing a disk tray in a disk  
2        drive, comprising the steps of:

3            when a first event occurs, sending a load/unload  
4            command to the disk drive and receiving a value  
5            returned by the disk drive for the load/unload  
6            command;

7            calculating a time period from the sending of the  
8            load/unload command to the receiving of the  
9            returned value; and

10          resending the load/unload command when the calculated  
11          time period is shorter than a threshold.

1        9.    The method as claimed in claim 8, wherein the  
2        first event is clicking an eject button shown on a screen.

1        10.   The method as claimed in claim 8, wherein the  
2        calculating of the time period comprises the steps of:

3            recording a first clock value corresponding to the time  
4            when the load/unload command is sent;

5            recording a second clock value corresponding to the  
6            time when the returned value is received; and

7            obtaining the time period according to a difference  
8            between the first and second clock value.

1        11.   The method as claimed in claim 8, wherein the  
2        threshold is about 0.5 second.

Client Ref.:2003-03

Our ref:0599-A20001-US/final/Vincent/Steve

- 1        12. The method as claimed in claim 6, wherein the
- 2        load/unload command is defined by the ATAPI CD-ROM
- 3        specification SFF-8020.